

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>				1. CONTRACT ID CODE		PAGE OF PAGES 1   5	
2. AMENDMENT/MODIFICATION NO. 0005		3. EFFECTIVE DATE 14-May-2002		4. REQUISITION/PURCHASE REQ. NO. W22W9K-1288-1687		5. PROJECT NO.(If applicable)	
6. ISSUED BY USA ENGINEER DISTRICT, LOUISVILLE ATTN: CELRL-CT 600 DR. MARTIN LUTHER KING PLACE ROOM 821 LOUISVILLE KY 40202		CODE DACA27		7. ADMINISTERED BY (If other than item 6) CONTRACT ADMINISTRATION BRANCH ATTN: SHIRLEY A. GARVEY P. O. BOX 59 LOUISVILLE KY 40201-0059		CODE DACA27	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)				X		9A. AMENDMENT OF SOLICITATION NO. DACW27-02-B-0007	
				X		9B. DATED (SEE ITEM 11) 02-Apr-2002	
						10A. MOD. OF CONTRACT/ORDER NO.	
						10B. DATED (SEE ITEM 13)	
CODE		FACILITY CODE					
<b>11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS</b>							
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input checked="" type="checkbox"/> is not extended.  Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning <u>  1  </u> copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required)							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A.THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B.THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
C.THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:							
D.OTHER (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Solicitation DACW27-02-B-0007, Duck Creek Phase III, Village of Fairfax, Cincinnati, Ohio, is hereby amended as follows:  a. The bid opening date is NOT EXTENDED. The date remains 21 May 2002, 2:00 PM Local Time. Be sure to mark your bid for DACW27-02-B-0007.  b. Paragraph 4.3 of Section 01356A is hereby deleted. The 401 permit has already been obtained and the 404 permit is not required.  c. In accordance with FAR 52.214-6, Explanation to Prospective Bidders (Apr 1984) any information given a prospective bidder concerning a solicitation will be furnished promptly to all other prospective bidders as an amendment to the solicitation, if that information is necessary in submitting bids or if the lack of it would be prejudicial to other prospective bidders, the following information is provided to all prospective bidders:  <div style="border: 1px solid black; height: 100px; margin-top: 10px;"></div>							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
15B. CONTRACTOR/OFFEROR  _____ (Signature of person authorized to sign)		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA  BY _____ (Signature of Contracting Officer)		16C. DATE SIGNED  14-May-2002	

EXCEPTION TO SF 30  
APPROVED BY OIRM 11-84

30-105-04

STANDARD FORM 30 (Rev. 10-83)  
Prescribed by GSA  
FAR (48 CFR) 53.243

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

## Changes in Section SF 30

## Question:

1. Specifications call for contraction joints to be sawed  $\frac{1}{4}$  of the slab depth or 5.25" or 8.25". If this is done we will be cutting the reinforcing steel top mat bars
2. Can the stub walls for the conspan be cast after the base slab with a construction joint. If it can be cast after does it have to have waterstop?
3. Can onsite material be used for conspan culvert backfill? Are there any requirements for premium fill?

## Answer:

1. Acknowledge that following the requirements in specification section 03150A, para 3.1.1 would result in a sawcut deeper than the top layer of reinforcement in the culvert base slab. Designer does not want this reinforcement cut. The saw cut for a contraction joint for the culvert base slab should be a maximum of 2-inches deep.
2. Yes, stub walls can be cast after the base slab with a construction joint. Waterstop is not necessary but a concrete joint treatment (green-cutting) would be required
3. Backfill and compaction requirements immediately adjacent to and above the arch culvert shall be per the information provided below.

The following are revisions (**in bold**) to some paragraphs and new paragraphs added to specification section 02300A in response to question 3 above:

## Para. 1.3.1

1.3.1 Satisfactory Materials – **General**

Satisfactory materials shall comprise of any materials classified by ASTM D 2487 as GW, GP, GM, GC, SW, SP, SC, CL, ML. Satisfactory materials for grading shall be comprised of stones less than 6-inches, except for fill material for pavements and railroads which shall be comprised of stones less than 3-inches in any dimension.

1.3.1.1 Satisfactory Materials – **Critical Backfill Zone**

**Satisfactory materials shall comprise of any materials classified by ASTM D 2487 as GW, GP, GM, SW, SP, and SM. Satisfactory materials for the critical backfill zone (minimum of 4 feet out from each side of the arch culvert and 2 feet above the arch crown) shall be comprised of stones less than 3-inches.**

## 3.6 BACKFILL

Backfill shall be comprised of satisfactory materials identified in paragraphs 1.3.1 and 1.3.1.1. Backfill adjacent to any and all types of structures shall be placed **in successive horizontal layers of loose material not more than 8-inches in depth. Once backfill is placed in loose layers, it**

**shall then be** compacted to at least 90 percent laboratory maximum density for cohesive materials or 95 percent laboratory maximum density for cohesionless materials to prevent wedging action or eccentric loading upon or against the structure. Ground surface on which backfill is to be placed shall be prepared as specified in paragraph PREPARATION OF GROUND SURFACE FOR FILL. ~~Compaction requirements for backfill materials shall also conform to the applicable portions of paragraphs PREPARATION OF GROUND SURFACE FOR EMBANKMENTS, FILL.~~ **Backfill placed on surfaces sloping steeper than approximately 1 foot vertical on 6 feet horizontal shall be benched. Bench width shall be determined by the width of the equipment utilized to perform compactive effort. In the Critical Backfill Zone (within the 4 foot minimum distance out from each side of the arch culvert and 2 feet above the arch crown), compaction equipment to be used shall be per the manufacturers recommendations.**

### 3.9.1 Construction

Subgrade shall be shaped to line, grade, and cross section, and compacted as specified. ~~AMENDMENT 0002 Fills placed on surfaces sloping steeper than approximately 1 foot vertical on 6 feet horizontal shall be benched. Bench width shall be determined by the width of the equipment utilized to perform compactive effort.\* AMENDMENT 0002~~ This operation shall include plowing, disking, and any moistening or aerating required to obtain specified compaction. Soft or otherwise unsatisfactory material shall be removed and replaced with satisfactory excavated material or other approved material as directed. Rock encountered in the cut section shall be excavated to a depth of 6 inches below finished grade for the subgrade. Low areas resulting from removal of unsatisfactory material or excavation of rock shall be brought up to required grade with satisfactory materials, and the entire subgrade shall be shaped to line, grade, and cross section and compacted as specified. After rolling, the surface of the subgrade for roadways shall not show deviations greater than ¼ inch when tested with a 10 foot straightedge applied both parallel and at right angles to the centerline of the area. The elevation of the finish subgrade shall not vary more than 0.05 foot from the established grade and cross section.

#### Question:

Can cast in place bottom for Arched Culvert have the keyway poured separate?

#### Answer:

Yes this is permissible.

#### Question:

On the floor of the culvert, between the sides and the base, can we install a horizontal construction joint?

#### Answer:

Any additional joints or joint details will require a submittal by the Contractor for Government Approval after Notice to Proceed. In general, such a joint would not be objectionable.

#### Question:

What type of connection / joint is required for the cast in place culvert and precast culvert?

#### Answer:

The Contractor will be required to submit a detail for this connection for Government approval. A closure pour will be required, with an expansion joint between the cast-in-place culvert and the first precast culvert element. The most upstream precast culvert segment will have to have dowels extending from its upstream side to reinforce this closure pour. Expansion joint material will have to be glued or nailed to the downstream face of the cast-in-place culvert prior to the closure concrete placement.

**Question:**

How is the MSE and I-Wall tied together, there is no transition detail shown?

**Answer:**

A simple, cast-in-place closure detail (similar to a typical M.S.E. wall Butt Joint between a cast-in-place structure and M.S.E. wall, with either a lip or a notch) should be submitted by the Contractor for review by the Government.

**Question:**

Cast in place bottom shows #9 rebar extending approximately 15 ft. beyond construction joint. Can a normal bar splice be used? i.e. #30 bar diameter.

**Answer:**

Base slab reinforcing is detailed for a single placement. Note that most of the precast culvert base slab is constructed outside of the existing Duck Creek channel. Therefore the construction joint down the centerline of the base slab is optional – depending on the Contractor's sequence of work. If a construction joint is used down the center as suggested by Note 3 on S-16, then normal splices of reinforcing bars would be permitted.